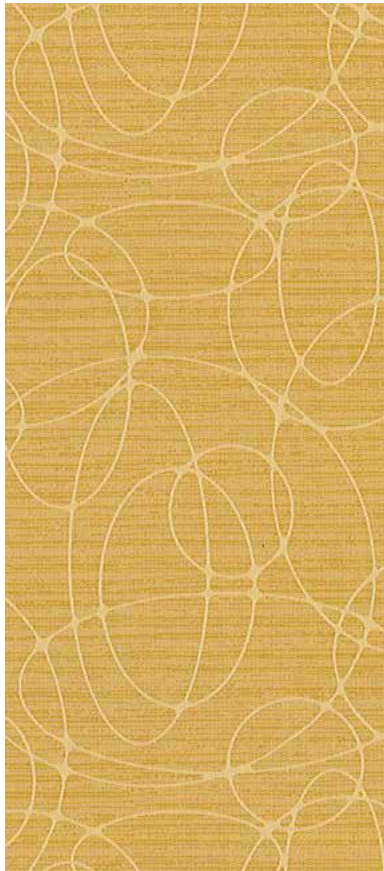




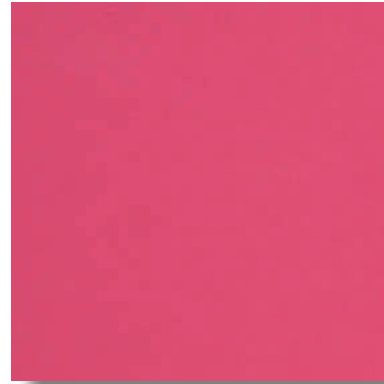
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Chablis



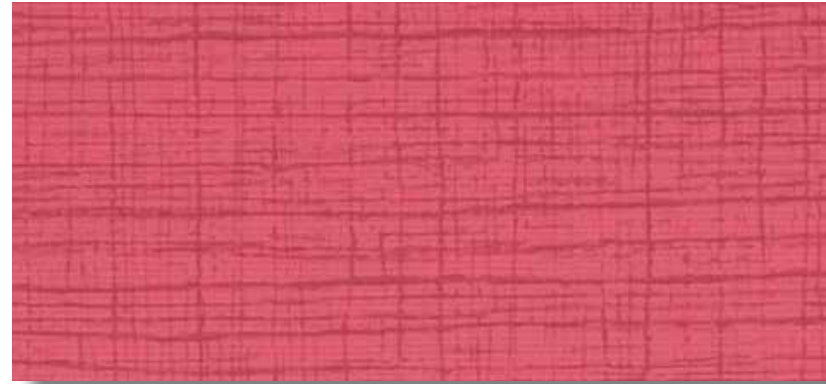
1FZPANAZVENT321
Wheat



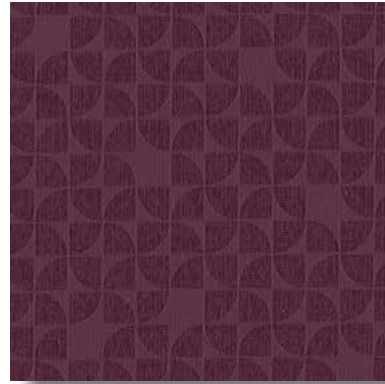
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Stone



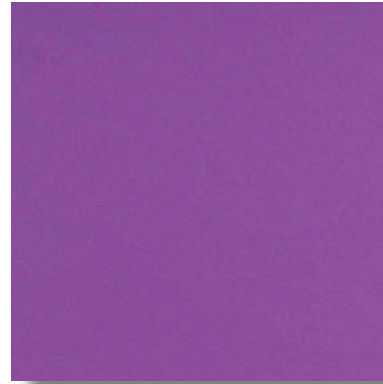
1FZPANAZZEST608
Fuchsia



1FZPANAZETCH646
Peony



1FZPANAZTREK624
Mulberry



1FZPANAZZEST128
Violet



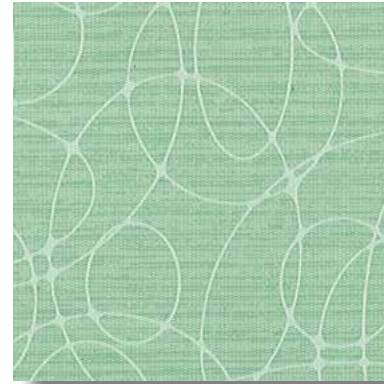
1FZPANAZVOYAG198
Hyacinth



1FZPANAZTREK198
Hyacinth



1FZPANAZETCH198
Hyacinth



1FZPANAZVENT155
Duck Egg



1FZPANAZTREK321
Wheat



1FZPANAZZEST303
Lemon



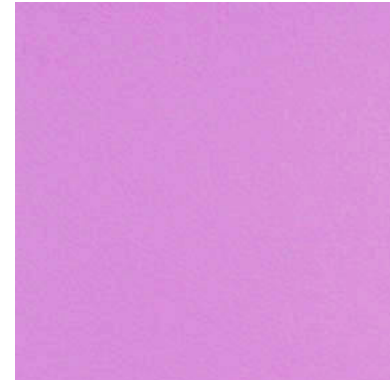
1FZPANAZVOYAG321
Wheat



1FZPANAZTREK609
Rose



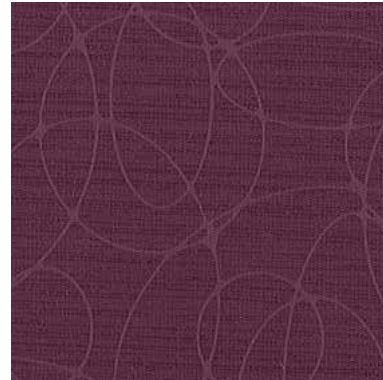
1FZPANAZVOYAG609
Rose



1FZPANAZZEST664
Mauve



1FZPANAZETCH664
Mauve



1FZPANAZVENT624
Mulberry



1FZPANAZTREK105
Indigo



1FZPANAZVENT198
Hyacinth



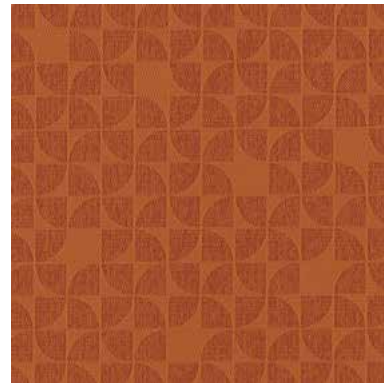
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Duck Egg



1FZPANAZVOYAG801
Tan



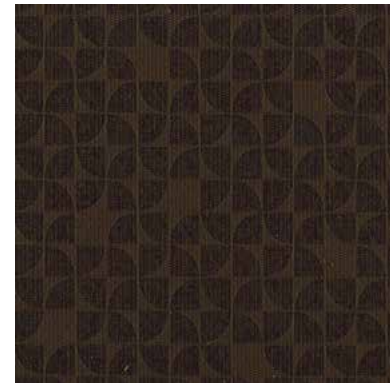
1FZPANAZETCH770
Nutmeg



1FZPANAZTREK401
Amber



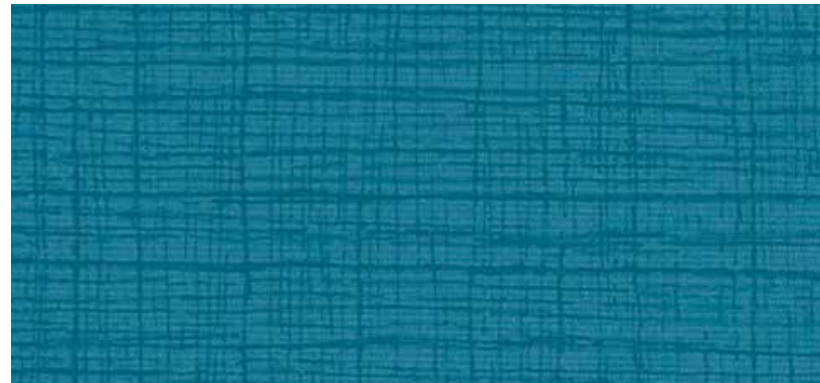
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Peach



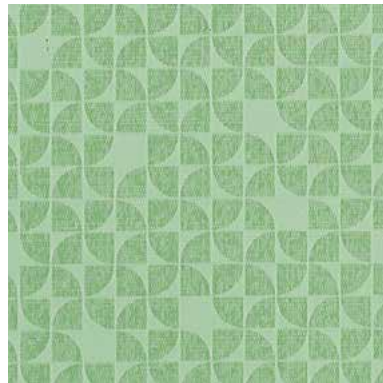
1FZPANAZTREK807
Mushroom



1FZPANAZVOYAG703
Mink



1FZPANAZETCH122
Wedgewood



1FZPANAZTREK155
Duck Egg



1FZPANAZETCH218
Fern



1FZPANAZZEST222
Apple

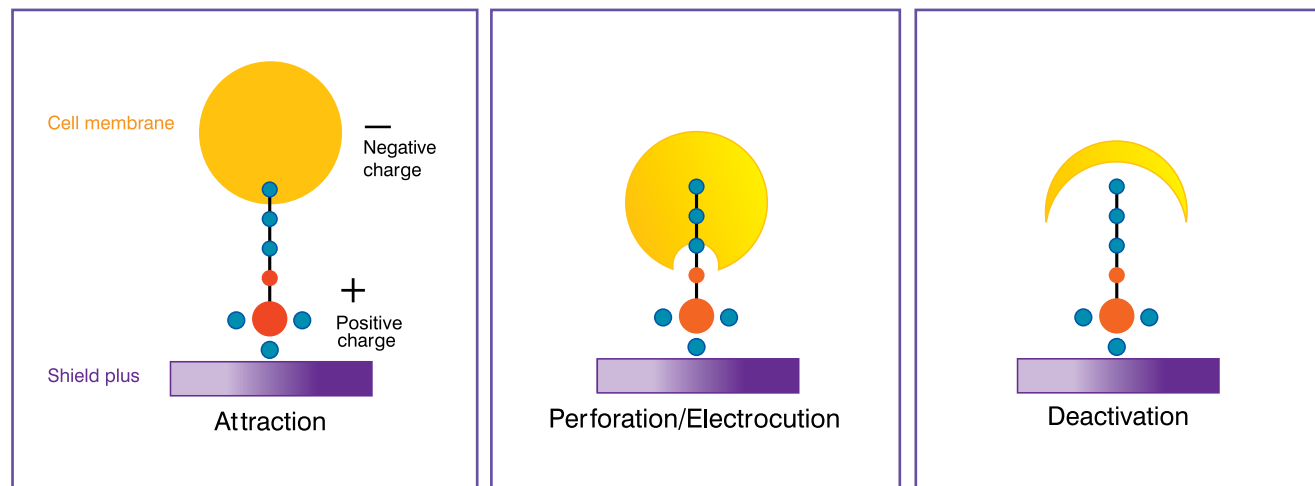


Most healthcare upholsteries include an anti-microbial agent to inhibit the growth of bacteria and spread of infection. That said, like everything in life, 'not all antimicrobials are created equal'. The question is: does that anti-microbial just tick a box or does it truly contribute to the reduction of the routes to infection and cross contamination?

Shield Plus™ revolutionary fabric technology differs from others in the market place

Unlike silver and other inorganic anti-microbial agents, Shield Plus™ is:

- Non-leaching and non-migrating technology that is encapsulated permanently within the vinyl
- Destroys bacteria on contact and with immediate effect
- Endures and is active for the life of the fabric
- Does not deplete
- Does not create immunity to the agent or adaptive organisms
- Targets the broadest spectrum of microbes – effective even against the C diff spore
- Is safe for the environment and you – free from toxic metals
- Has worldwide registration



The micro-organisms are attracted to the molecular coating of the Shield Plus fabric by a negative/positive action

Upon contact, the cell membrane is punctured and the bio-chemicals within are electrocuted. Piercing and electrocution prevent growth and proliferation

A safe and optimal antimicrobial protection is provided, even after frequent cleaning

This mechanical action ensures that bacteria, fungi and algae are effectively and immediately controlled. For further technical or supporting information contact Panaz

TEST REPORT AATCC 147-2004



Report date – 26/4/12
On behalf of - Panaz Ltd
Address – Spring Mill
Fence, Nr Burnley,
Lancashire
BB12 9HP

Lab ref – 4536a
Prepared by – D.Mellors

Page – 1 of 2

Period of analysis – 30/01/12 – 03/02/12

Test Sample: Panaz Vinyl (coated surface in contact with the agar)
Control Sample: Not provided

Test Method: AATCC 147-2004

Aim:
The object of the test is to determine whether the test textile has bacteriostatic activity.

Test Organisms: MRSA NCTC 12493, *Klebsiella pneumonia* ATCC 4352, *E. coli* NCTC 10418 and *Clostridium difficile* spores NCTC 11209.

Results

Organism	Product	Visible Growth Under the Fabric
MRSA	Panaz Vinyl	No Visible Growth
<i>K. pneumoniae</i>	Panaz Vinyl	No Visible Growth
<i>E. coli</i>	Panaz Vinyl	No Visible Growth
<i>C. diff</i> spores	Panaz Vinyl	No Visible Growth

Discussion:

According to the standard to constitute acceptable bacteriostatic activity there must be no bacterial colonies directly under the sample in the contact area. From the results obtained the fabric would be considered to have bacteriostatic activity against the test organisms. No inhibition was noted around the fabric and hence it can be concluded that the antibacterial agent did not diffuse into the surrounding area.

Composition: Coating: PVC/PU/Acrylic
Basecloth: Cotton/Polyester

Weight: 760 g / m² +/-5%

Width: 137cm (54")

Flammability: BS5852:2006: Ignition Source 5
EN1021-1/2
NFPA 260

Abrasion Resistance: 350,000 Martindale rubs

Colour fastness to light: Grade 4-5

Colour fastness to rubbing: Wet 4, Dry 4

Features: High scratch resistance - Colour solid to the basecloth.
Anti-Microbial and Anti Fungal Protection. Tested to AATCC147 Cadet is effective against a broad spectrum of bacteria and fungi including:

Bacillus cereus	Bacillus subtilis
Bacillus mycoides	Escherichia coli
Enterococcus faecalis	Klebsiella pneumoniae
Proteus vulgaris	Pseudomonas aeruginosa
Salmonella typhimurium	Salmonella choleraesuis
Staphylococcus aureus	MRSA
C-Diff spore	

Recommended Cleaning:

- Wipe clean regularly with a damp microfibre cloth and water to remove dust particles and prevent build up of soiling.
- Remove spillages promptly with an absorbent dry cloth.
- For general soiling, use a microfibre cloth taking care to avoid abrasive damage to surface and use tepid soapy water(non alkaline). Rinse clean with water and dry with an absorbent cloth.
- Bodily Fluids should be removed promptly (within 15 mins) with cold water and then cleaned as above.
- Extreme soiling/infection control purposes use a 5% Sodium Hyperchlorite (bleach) solution, Haz tabs or Chlor Clean.
- Steam cleaning is an effective sanitizer (as are Haz Tabs and Chlor-clean) but is not a good cleaner. Cleaning with a microfibre cloth and water is more effective. Steam and heat from steam cleaners actually seal in oily residues from bodily fluids, etc. If steam cleaning is essential, use infrequently for emergency infection control purposes only and in accordance with the machine manufacturer's recommendations. As we are unable to comment on the variety of machines in the marketplace or on the operator's handling, care should be taken for the sake of both the upholstery fabric and the wooden frame and we are unable to guarantee these.
- Avoid the use of furniture polish, stain remover or solvents.
- Remove indigo dye from denim and canvas garments immediately as they will produce permanent staining if not dealt with promptly.
- Do not use a felt tip, ball-point pen or ink to mark.

Continuity: Although every effort is made to ensure that fabrics ordered match the colours in this pattern card, slight variations may occur from batch to batch. Please note Panaz reserve the right to update product specification at their discretion.